

		♂		♀	
		Wild-type	APChi	Wild-type	APChi
Heart	Diameter (systole)	↑	↑	▬	▬
	Inner diameter (systole)	↑	↑	▬	▬
	Volume (systole)	↑	↑	▬	▬
	Ejection Fraction	↓	↓	▬	▬
	Fractional Shortening	↓	↓	▬	▬
	Stroke Volume	▬	▬	▬	▬
	LVPW thickness	↓	▬	▬	▬
	Mitral valve E/A	▬	▬	↑	↑
	Heart rate	Not measured		▬	▬
	Collagen deposition	↑	↑	▬	↑
	α-SMC actin positive cells	↑	↑	↑	↑
	Mast cell number	↓	↓	↓	↓
	TLR4 expression	↑	▬	↑	▬
	CD45 positive cells	↑	▬	▬	↑
	Microvascular density	↓	↓	↓	▬
	vWf positive cells	↑	↑	↑	↑
Small intestine	MPO positive cells	▬	▬	↑	↑
	CD2 expression	↑	↑	▬	▬
	Collagen deposition	▬	▬	▬	▬
	α-SMC actin	▬	▬	▬	▬
	Mast cell numbers	▬	▬	▬	▬
Epidermis	4-HNE positive cells	▬	▬	▬	▬
	Epidermal thickness	↑	▬	↑	▬
	3-NT positive cells	↑	▬	↑	▬

S16 Fig. Graphic summary of research results obtained from male and female wild-type and APChi mice at 6 months after 9.5 Gy compared to time-matched sham-irradiated controls. Arrow up: increase in irradiated animals compared to sham controls within the same genotype. Arrow down: decrease in irradiated animals compared to sham controls within the same genotype. Horizontal line: no significant effect of radiation. Shaded areas highlight differences in radiation response between the two genotypes.